

FIG. 1

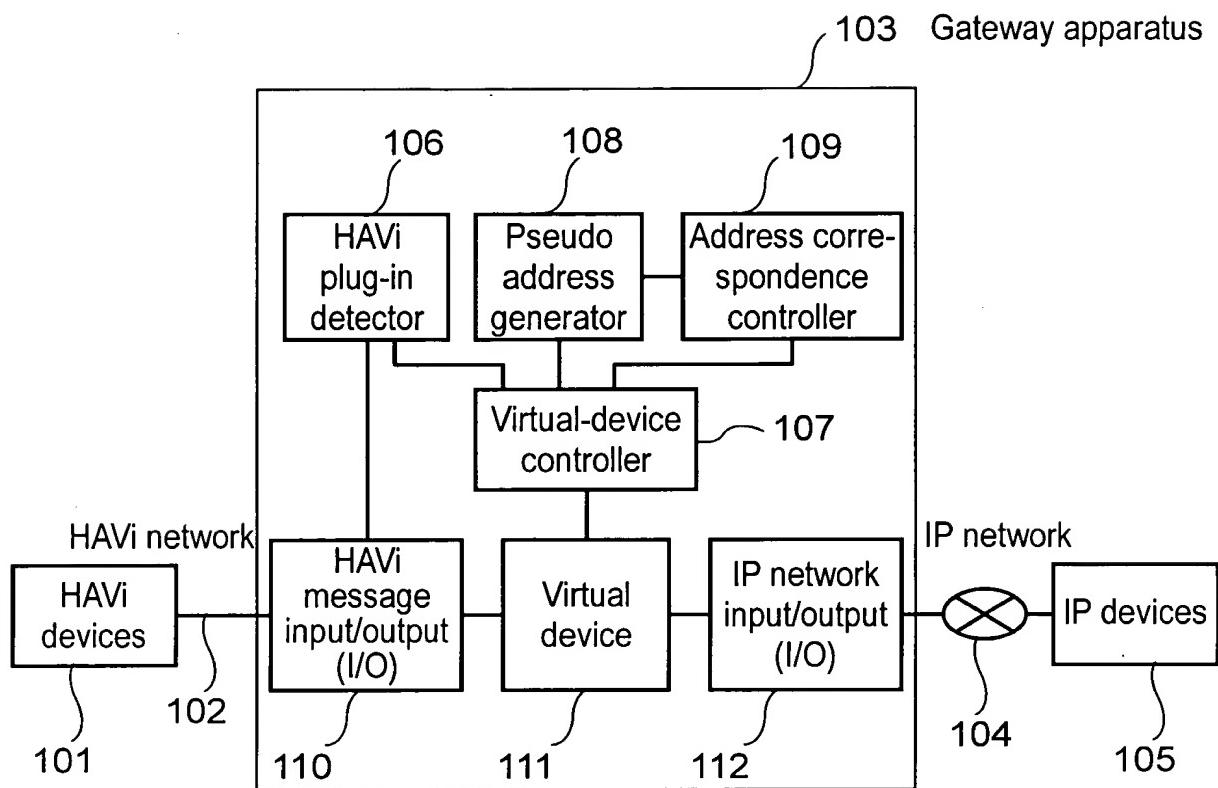
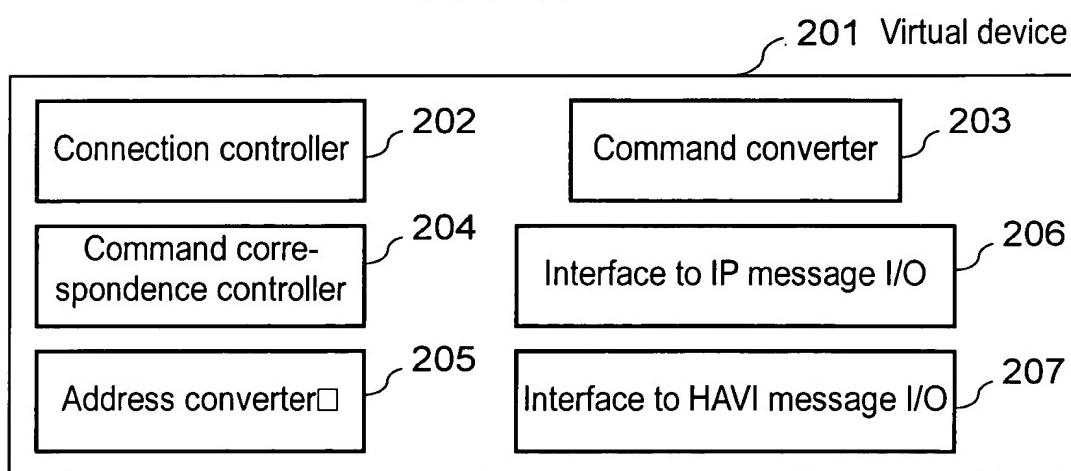


FIG. 2



**FIG. 3**

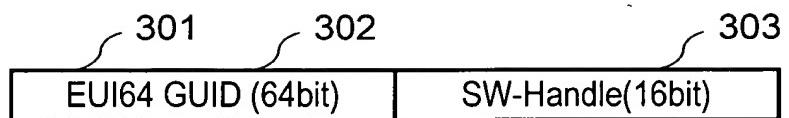


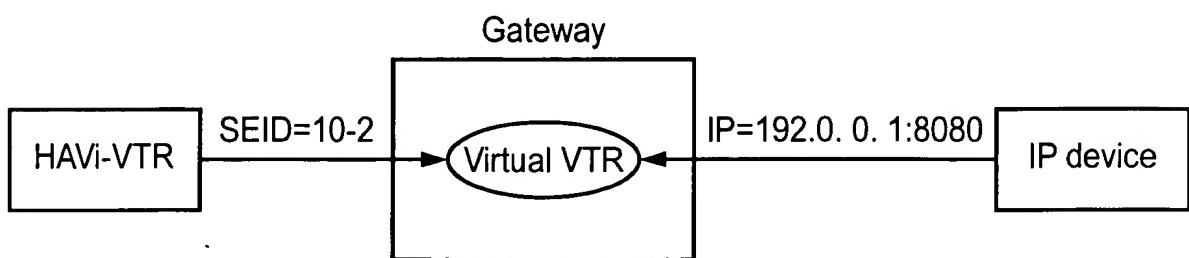
FIG. 4

HAVi command	Internet service command
VTR::Play()	RPC Play()
VTR::Record()	RPC Record()
:	:
:	:

FIG. 5

Connection	HAVi-side address	Internet-side address
Virtual VTR-IP client 1	10-2	192. 0. 0 1:8080
Virtual VTR-IP client 2	10-3	192. 0. 0 1:8080
Virtual DTV-IP client 3	10-4	192. 0. 0 1:8081

FIG. 6



**FIG. 7**

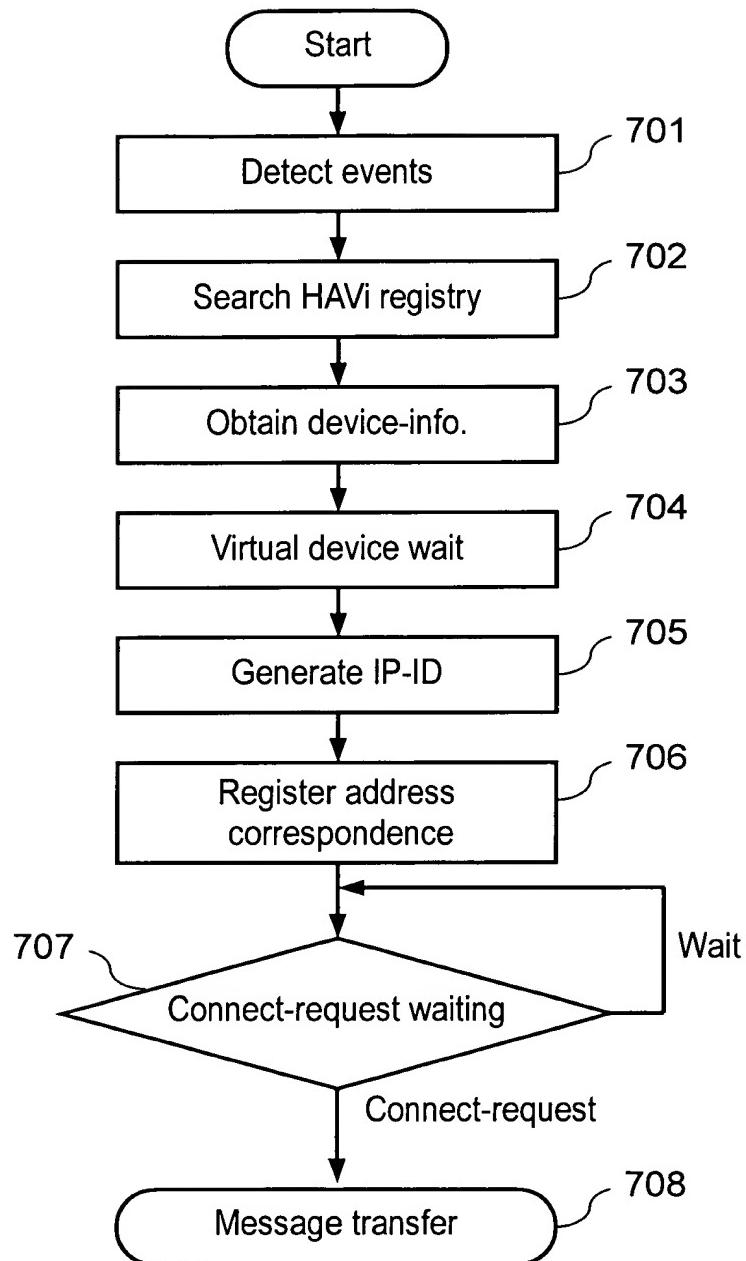


FIG. 8

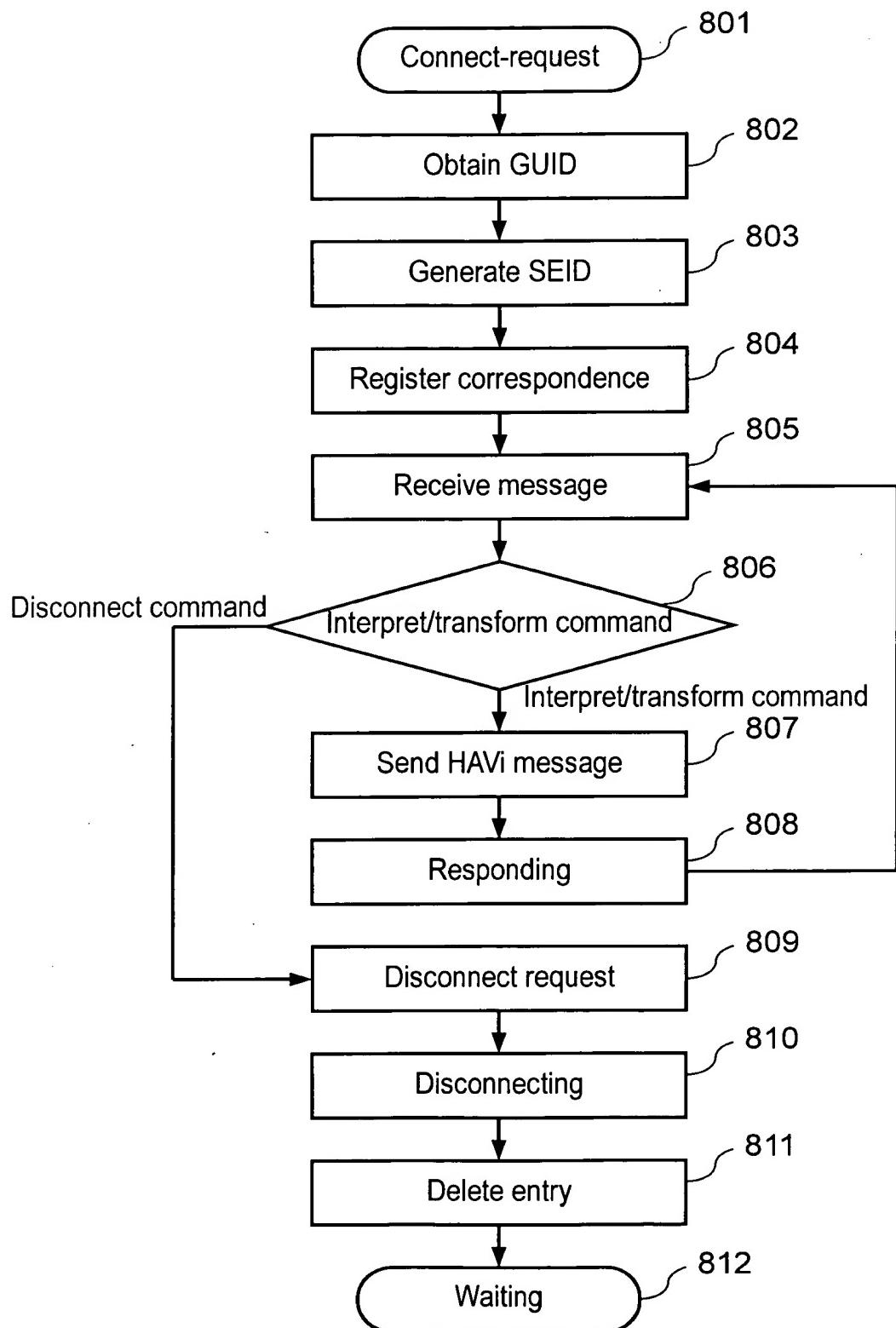


FIG. 9

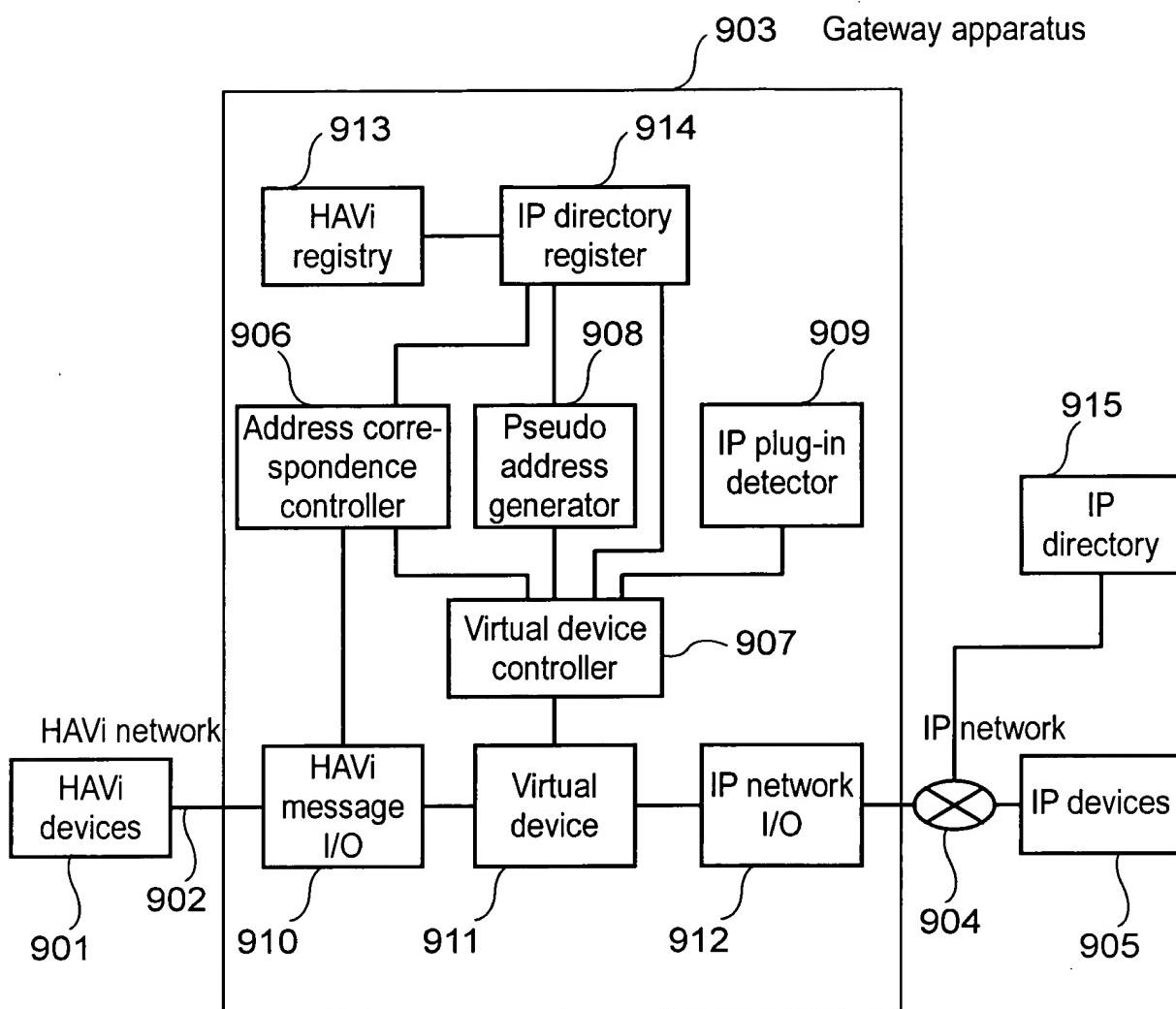
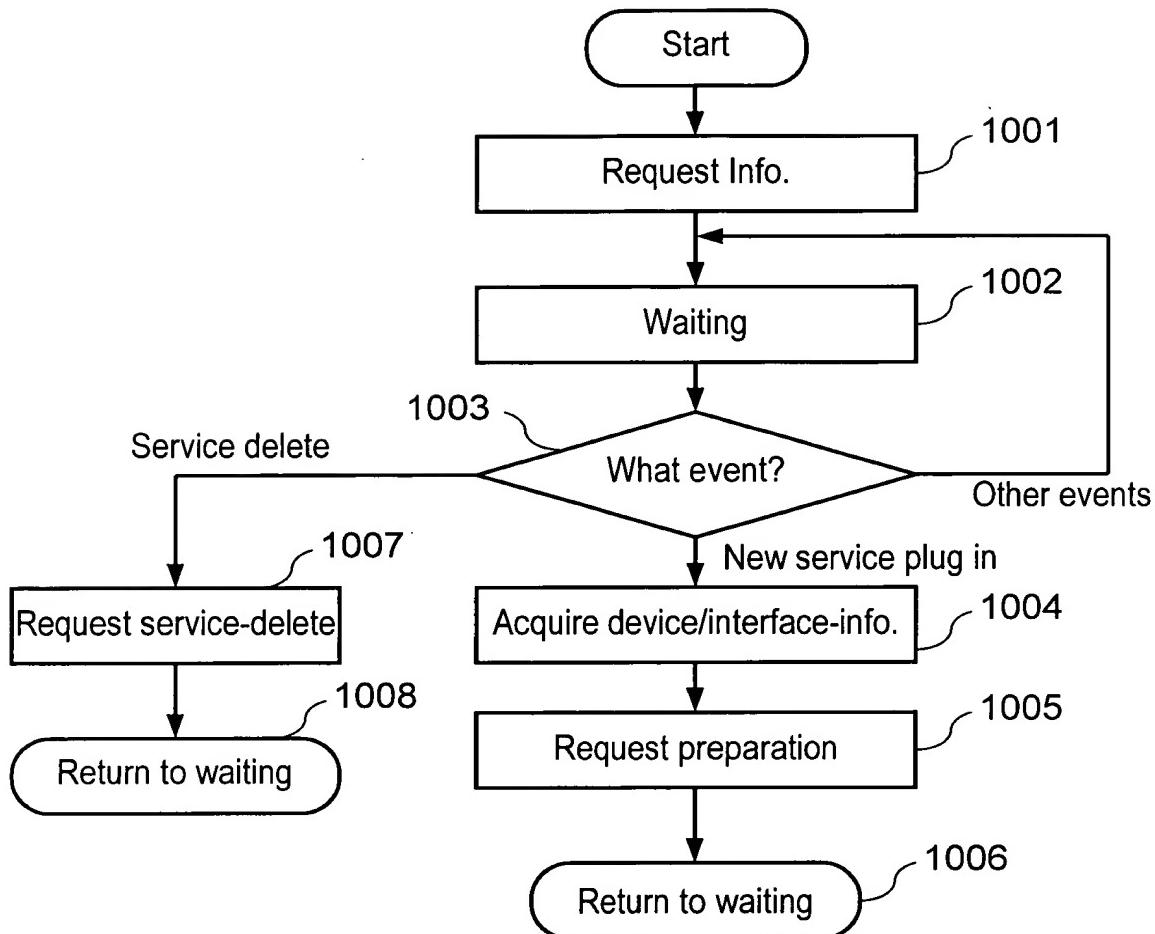


FIG. 10



00000000000000000000000000000000

FIG. 11A

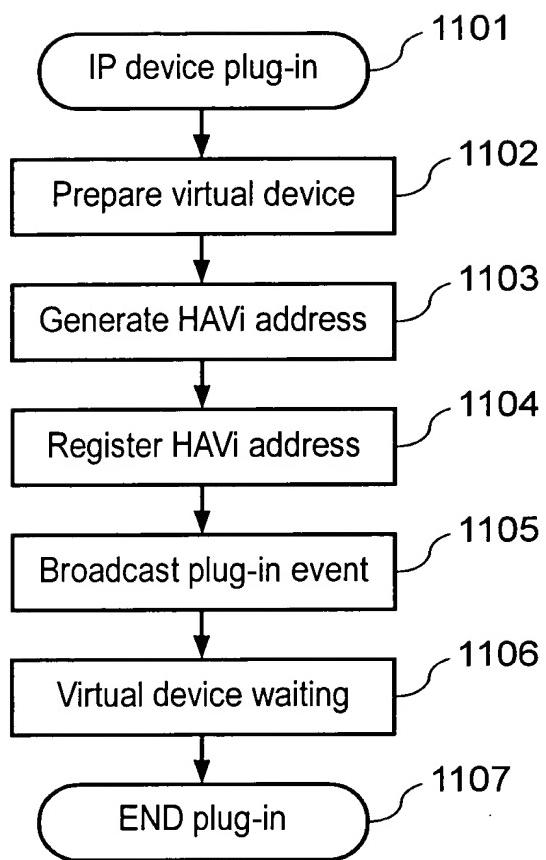
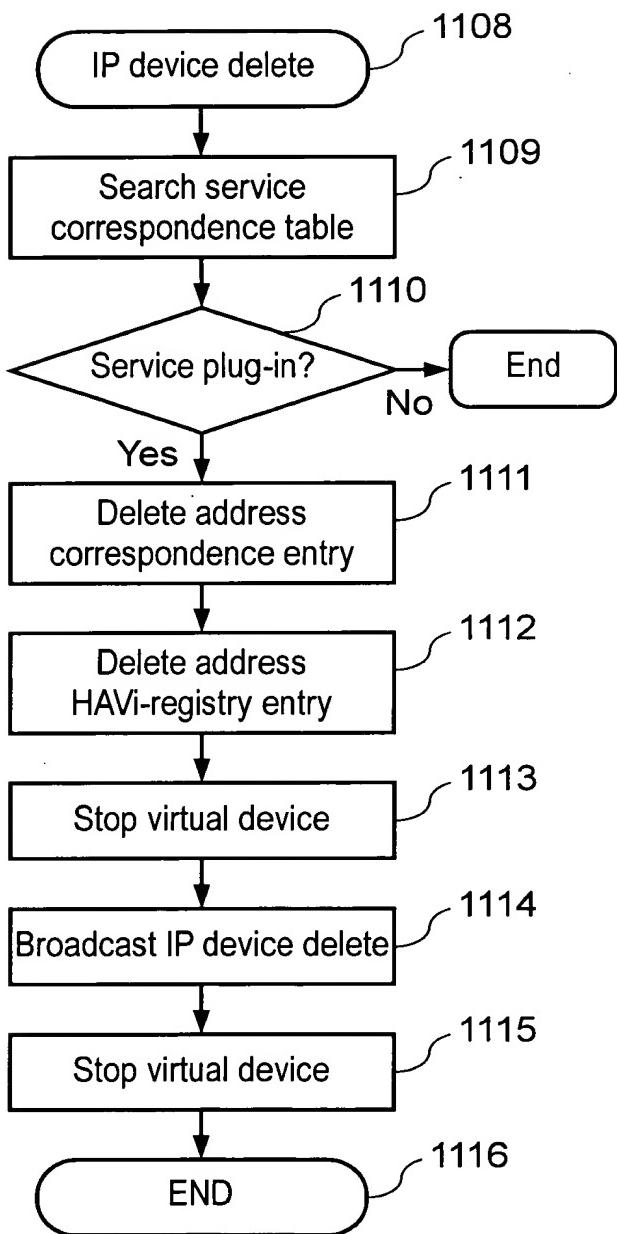


FIG. 11B



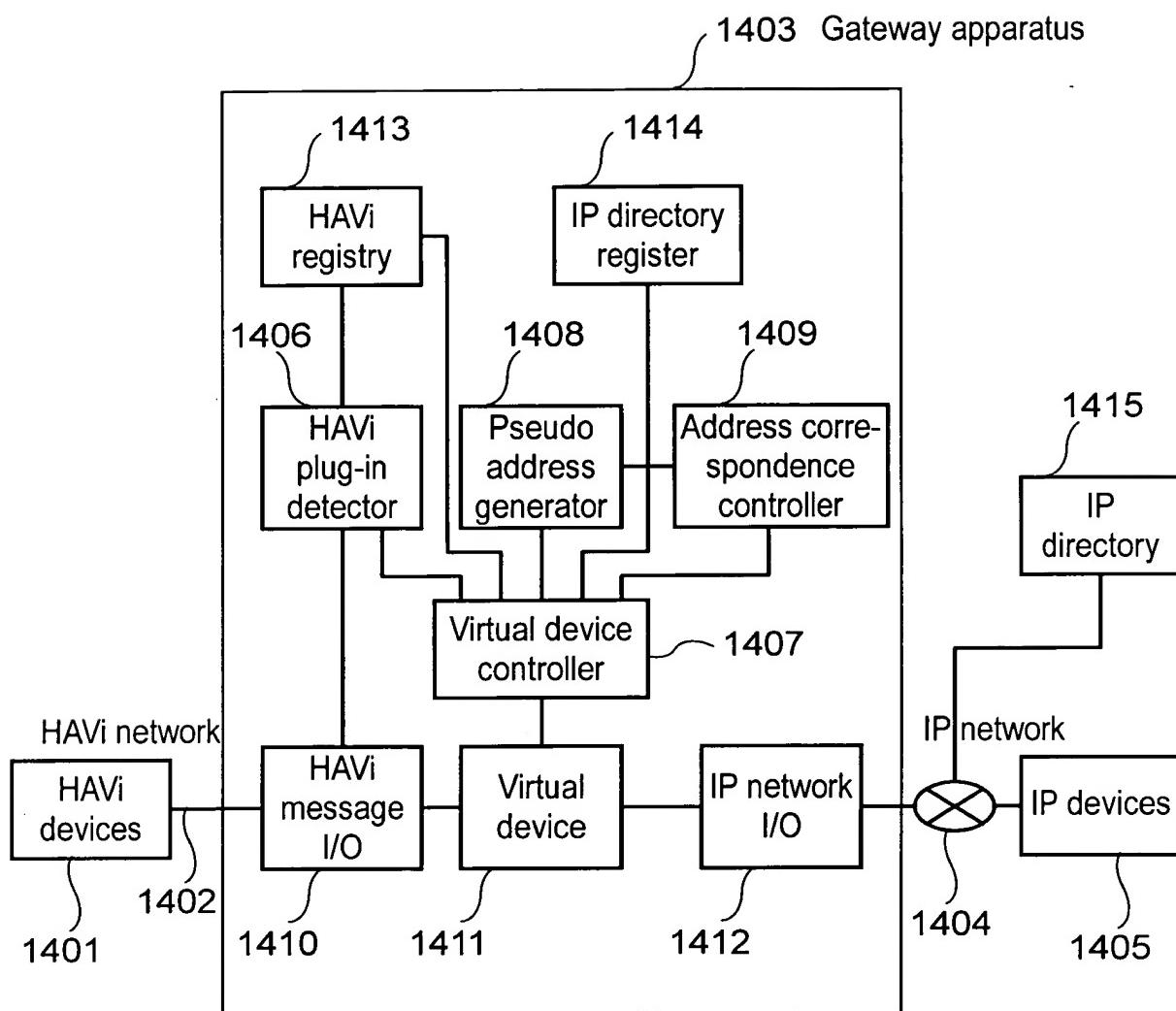
**FIG. 12**

Connection	HAVi-side address	Internet-side address
HAVi client-Virtual printer	10-5	192. 0. 0 1

**FIG. 13**

Service	HAVi HUID	Internet service ID
IP network printer	10-5	12E83420A

FIG. 14



00000000000000000000000000000000

FIG. 15

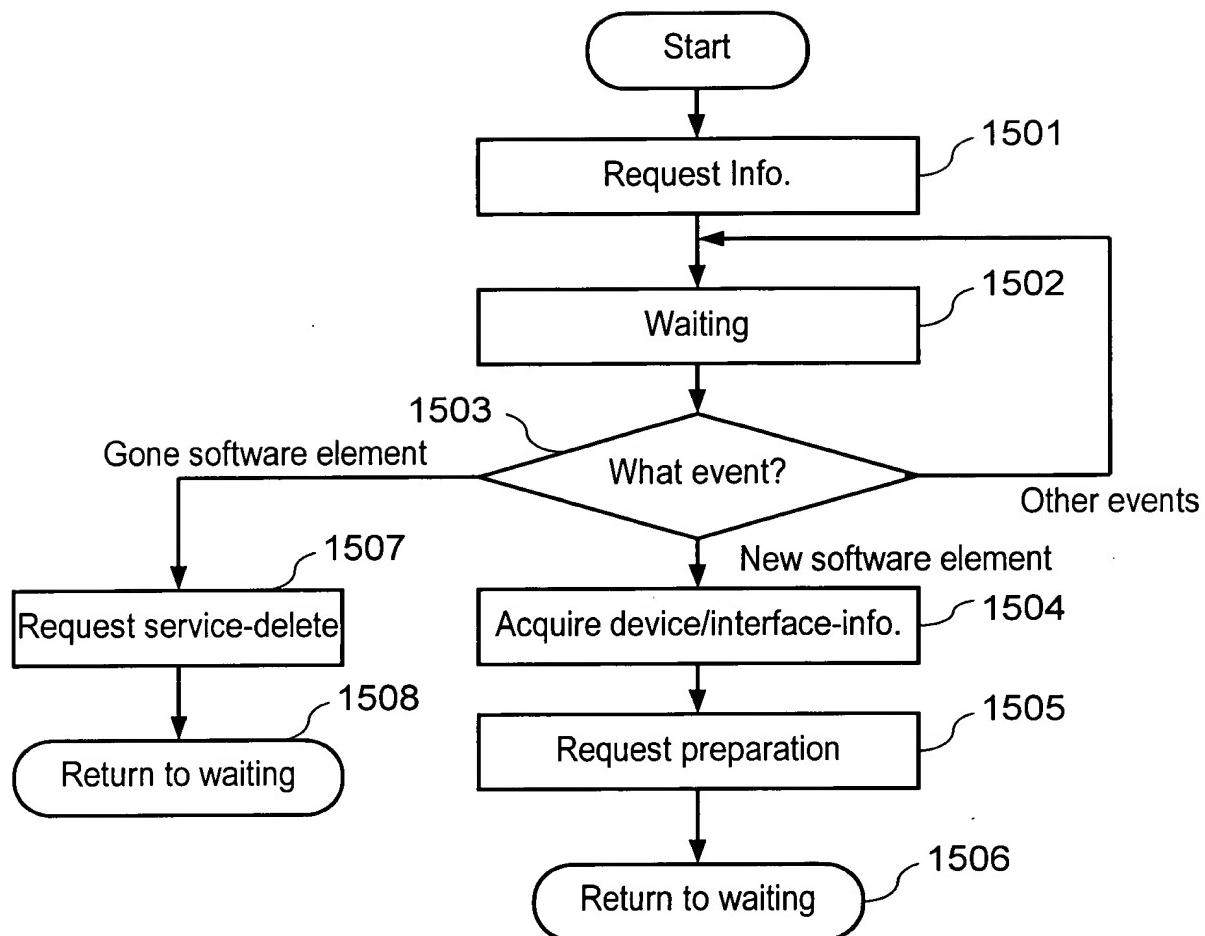


FIG. 16A

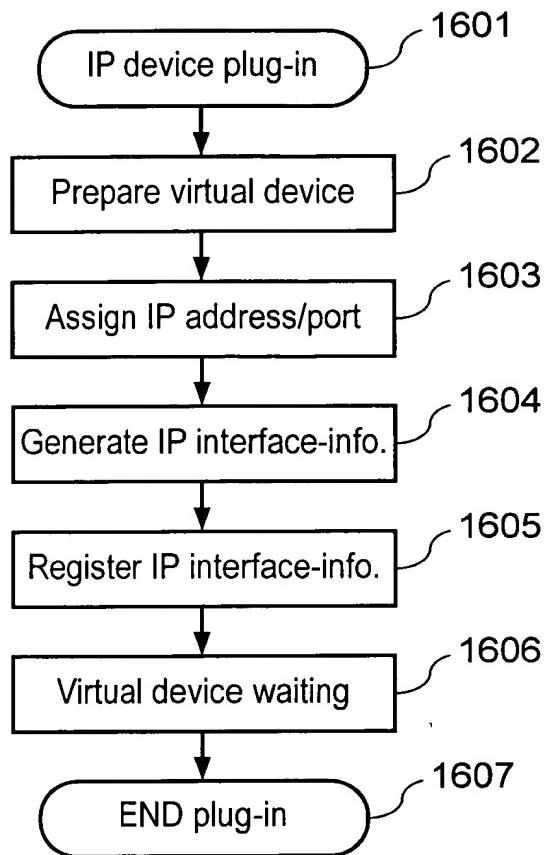


FIG. 16B

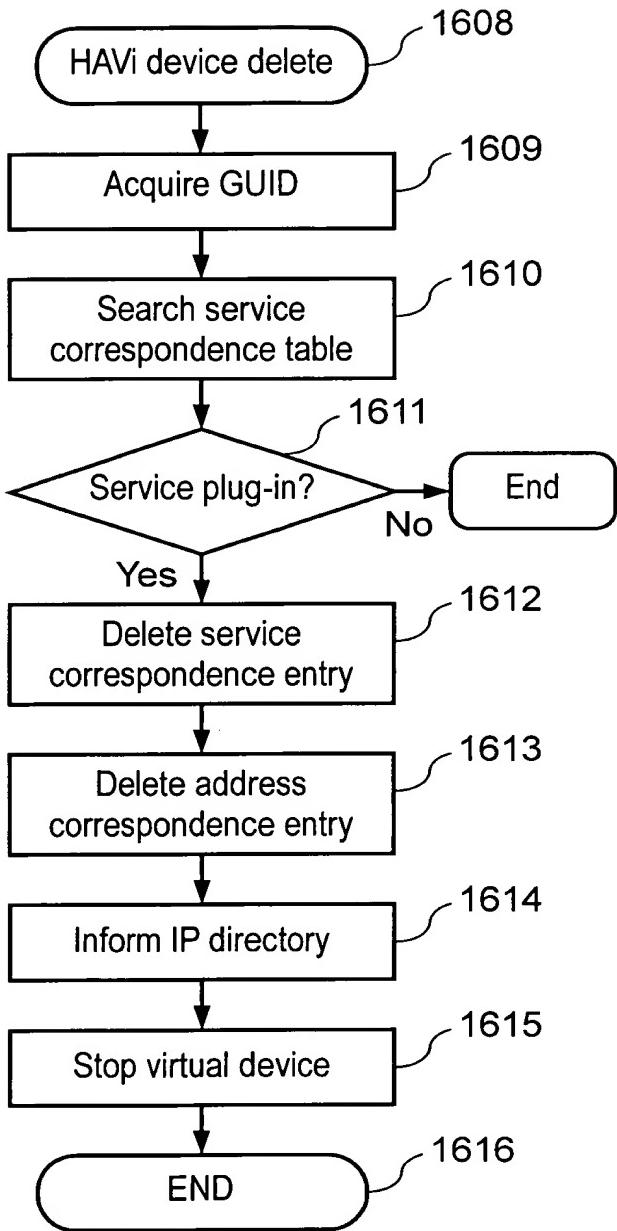


FIG. 17

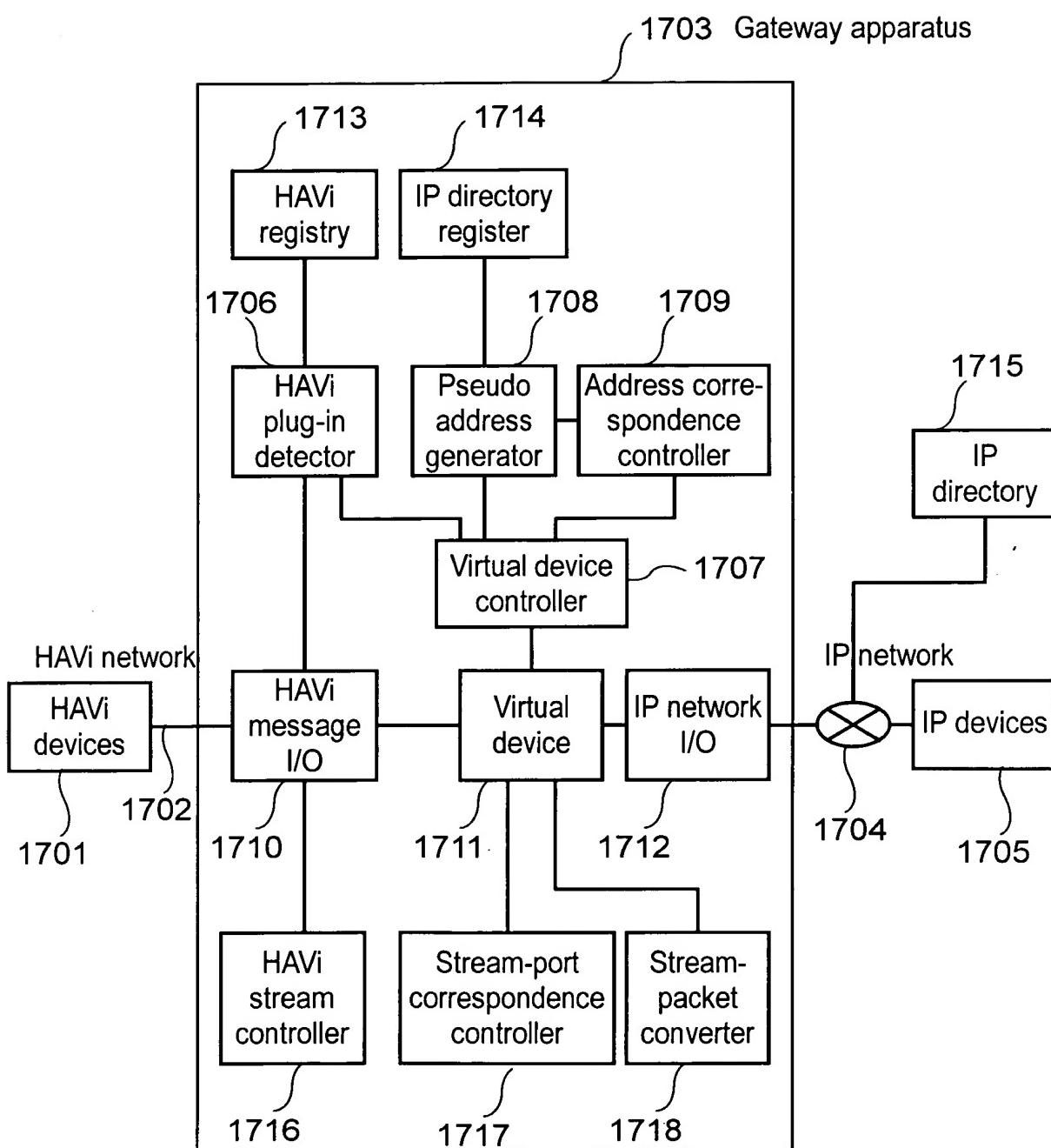


FIG. 18

Sequence diagram (Establish)

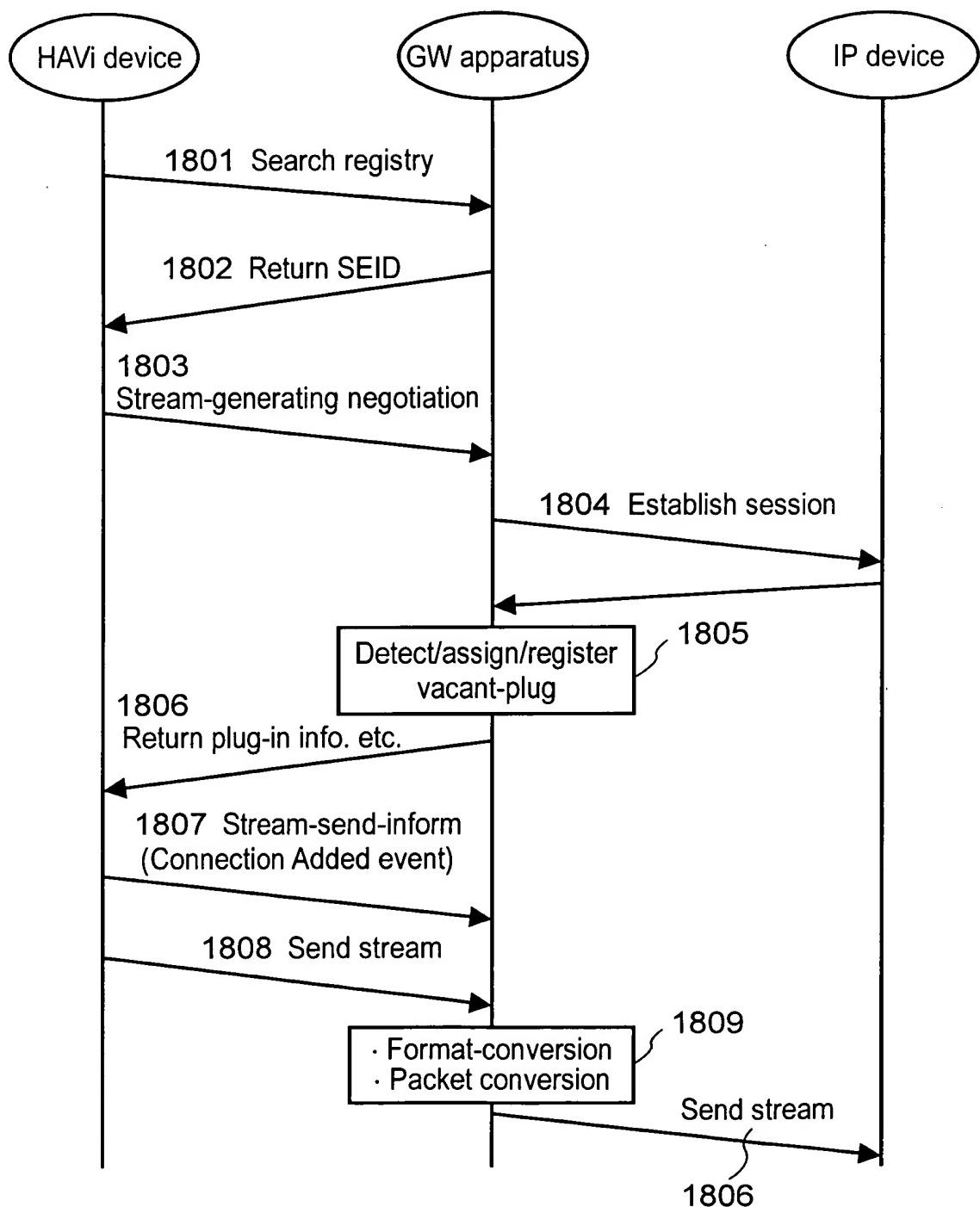


FIG. 19

Sequence diagram (disconect)

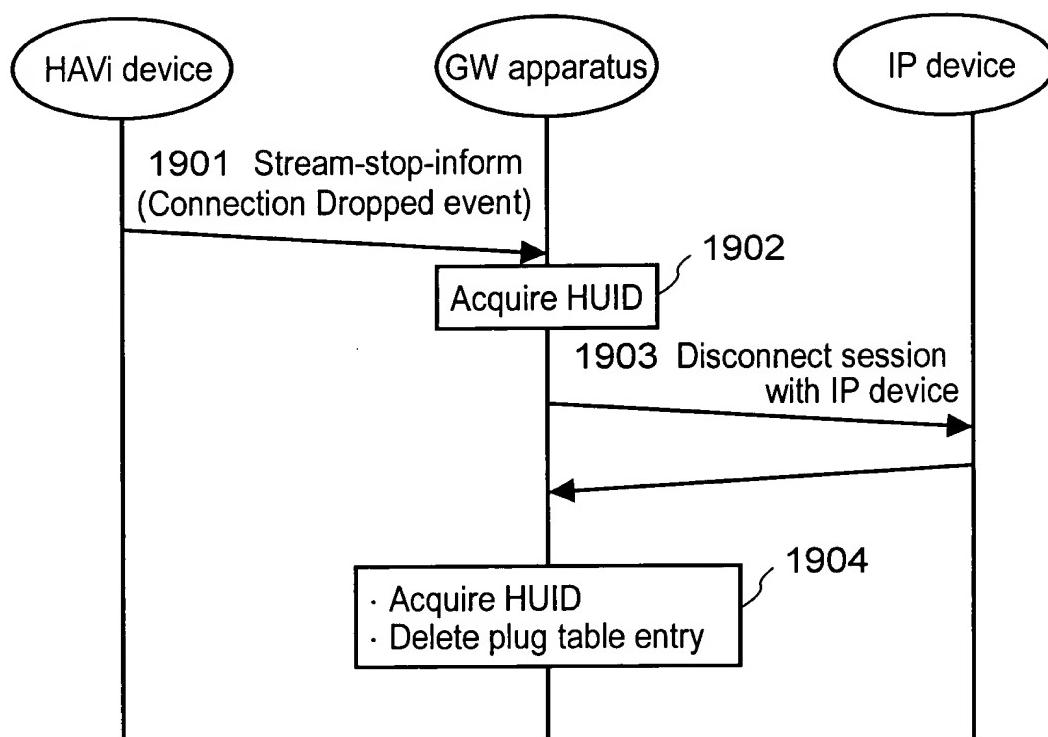


FIG. 20

2001	2002	2003	2004	2005
FCM HUID	FCM Plug No,	PCR No,		IP Port No,
10-6 10-7	0 1	0.1 2		8082 8083

FIG. 21

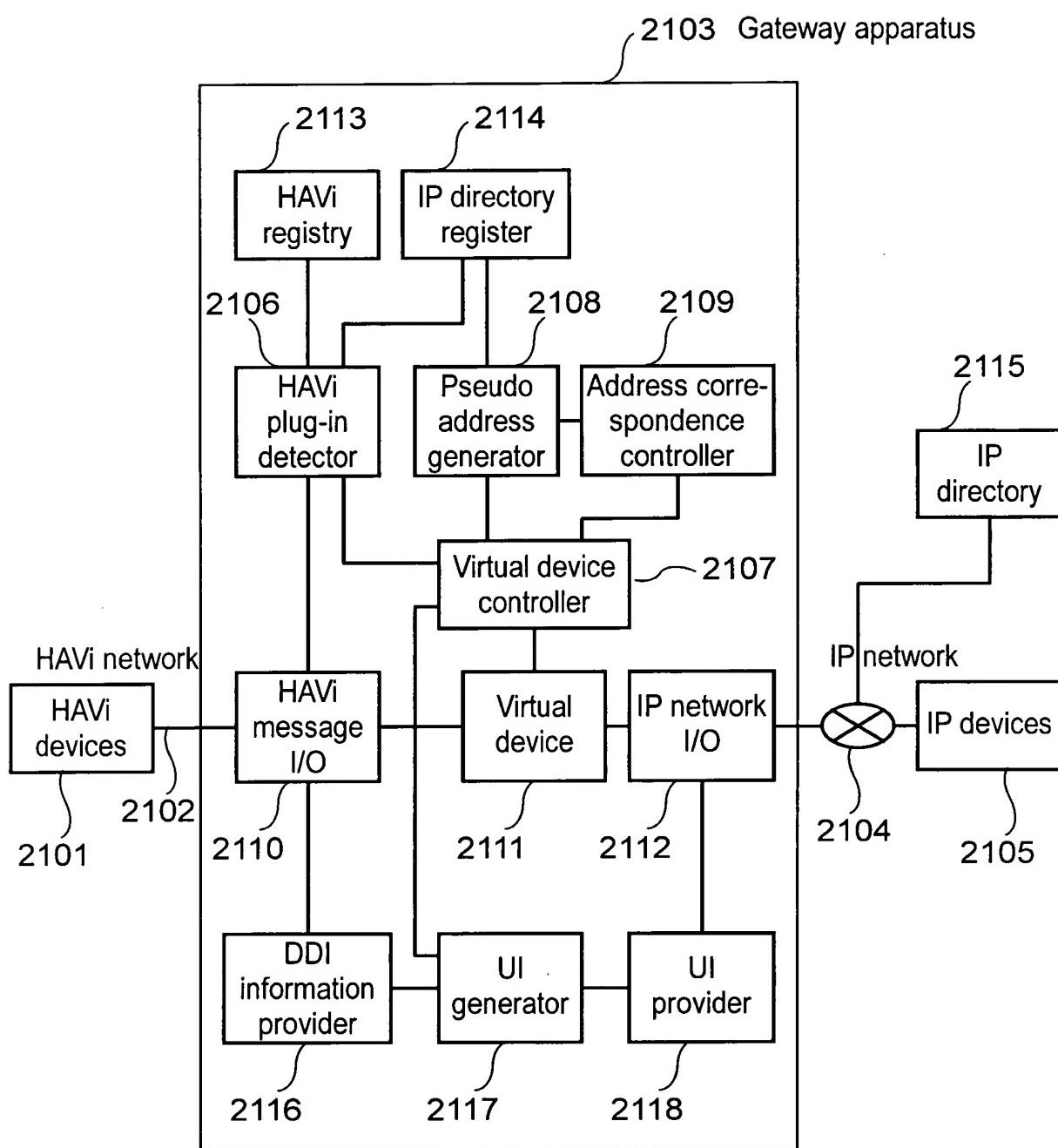


FIG. 22

DDI acquire sequence

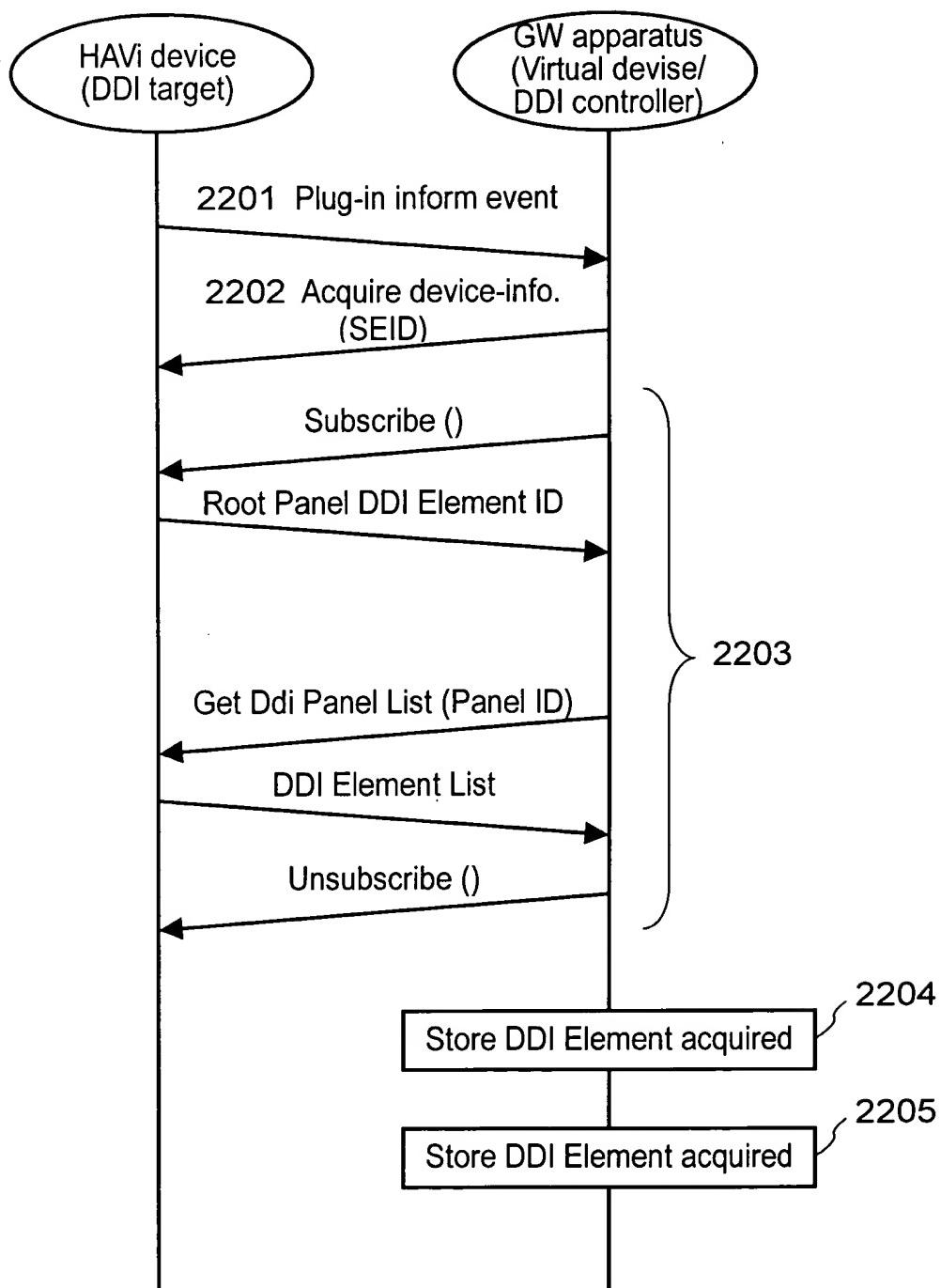


FIG. 23

GUID-operation-from-IP sequence

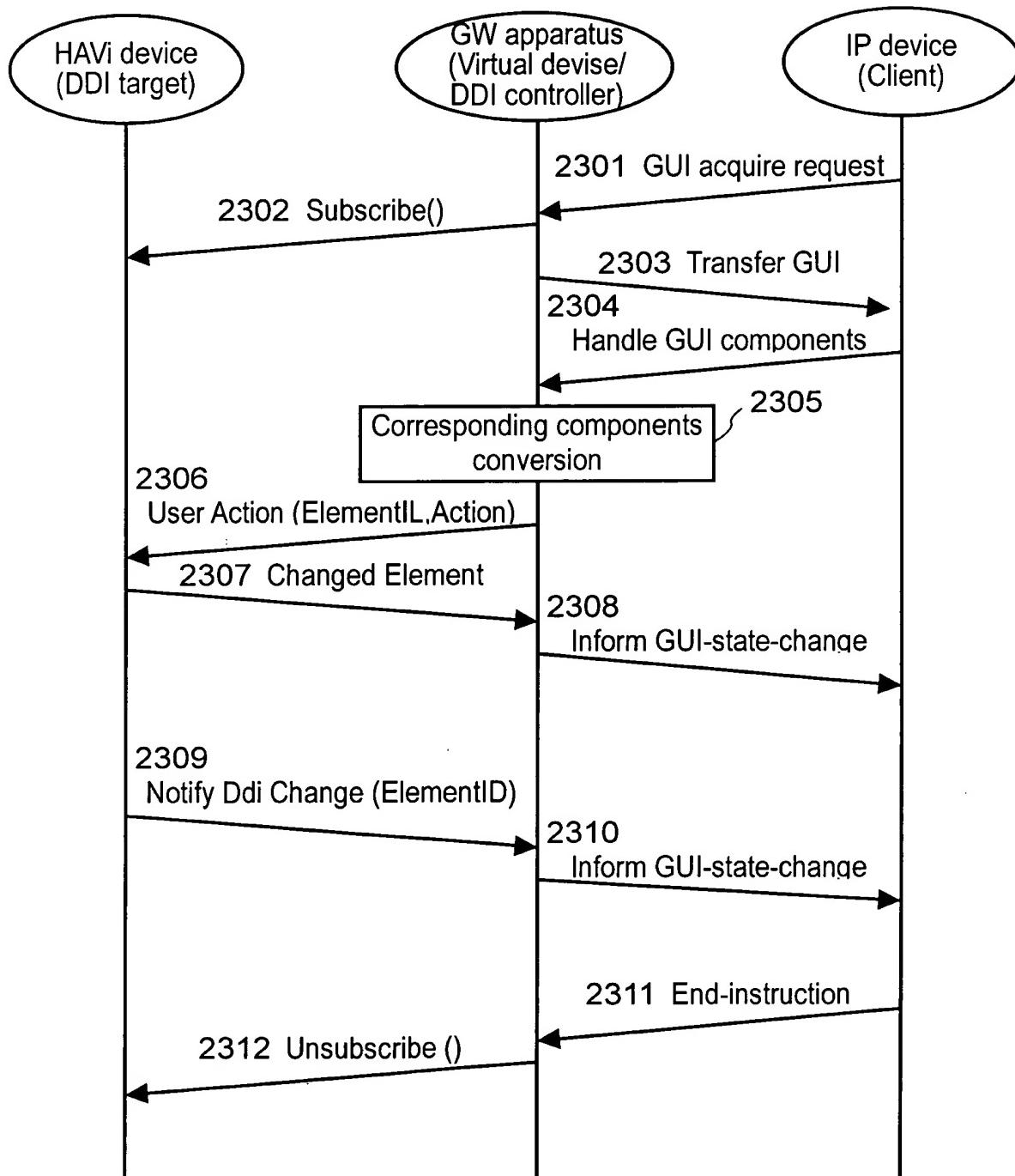


FIG. 24

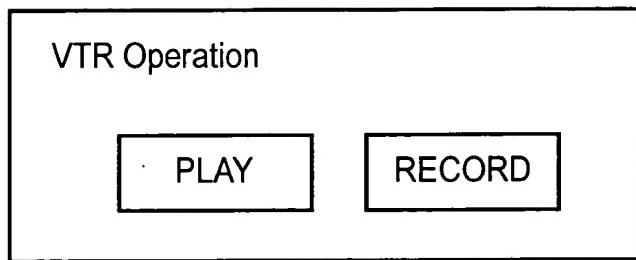


FIG. 25

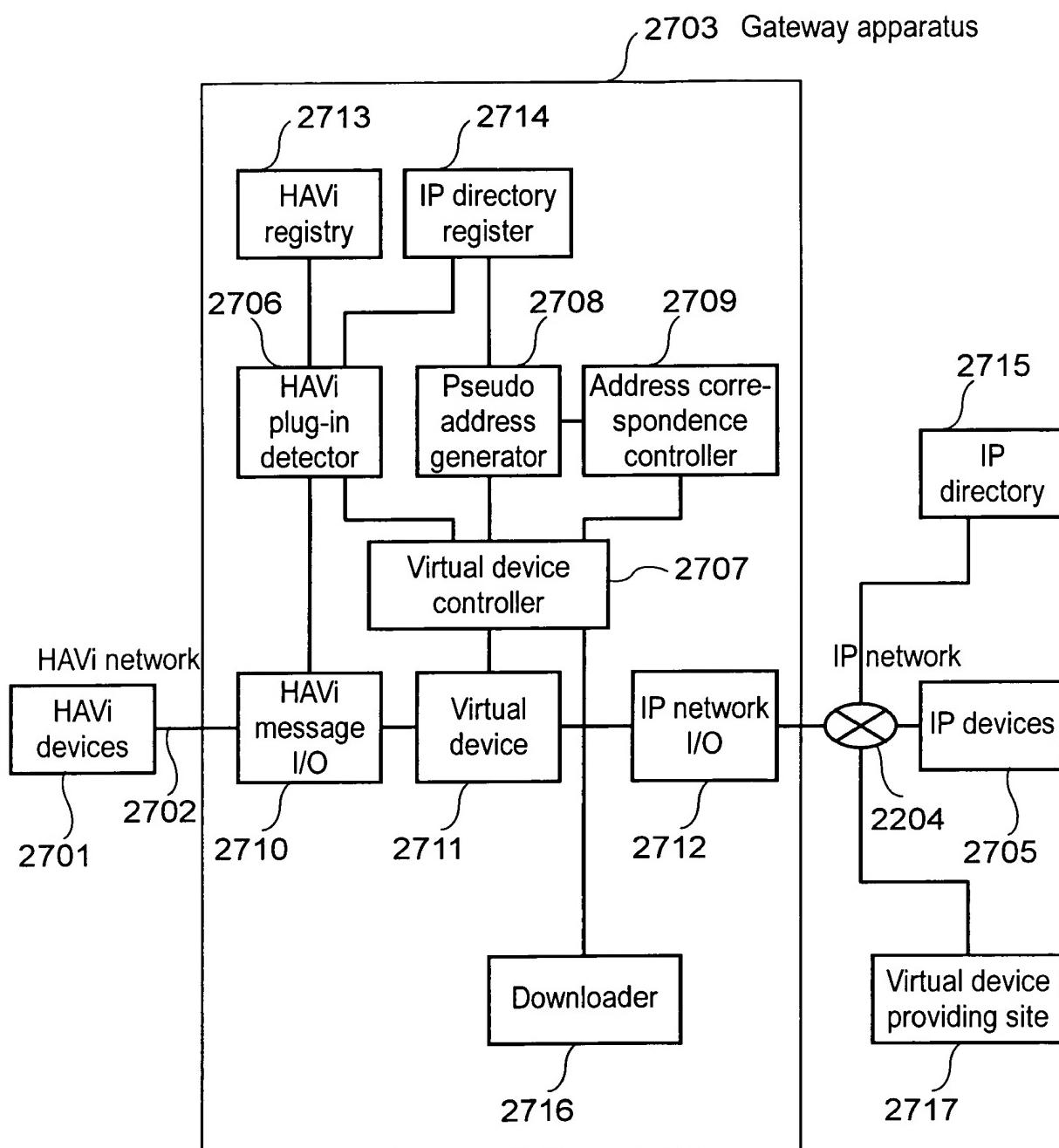
HUID XXXX

Element Type	Label	Element ID
DDi Panel	VTR operation	0
DDi Button	PLAY	1
DDi Button	RECORD	2

FIG. 26

```
If(Event==Play_Pressed) then{
    CallDDi(1,Pressed);
}
elseif(Event==Record_Pressed)then{
    CallDDi(2,Pressed);
}
```

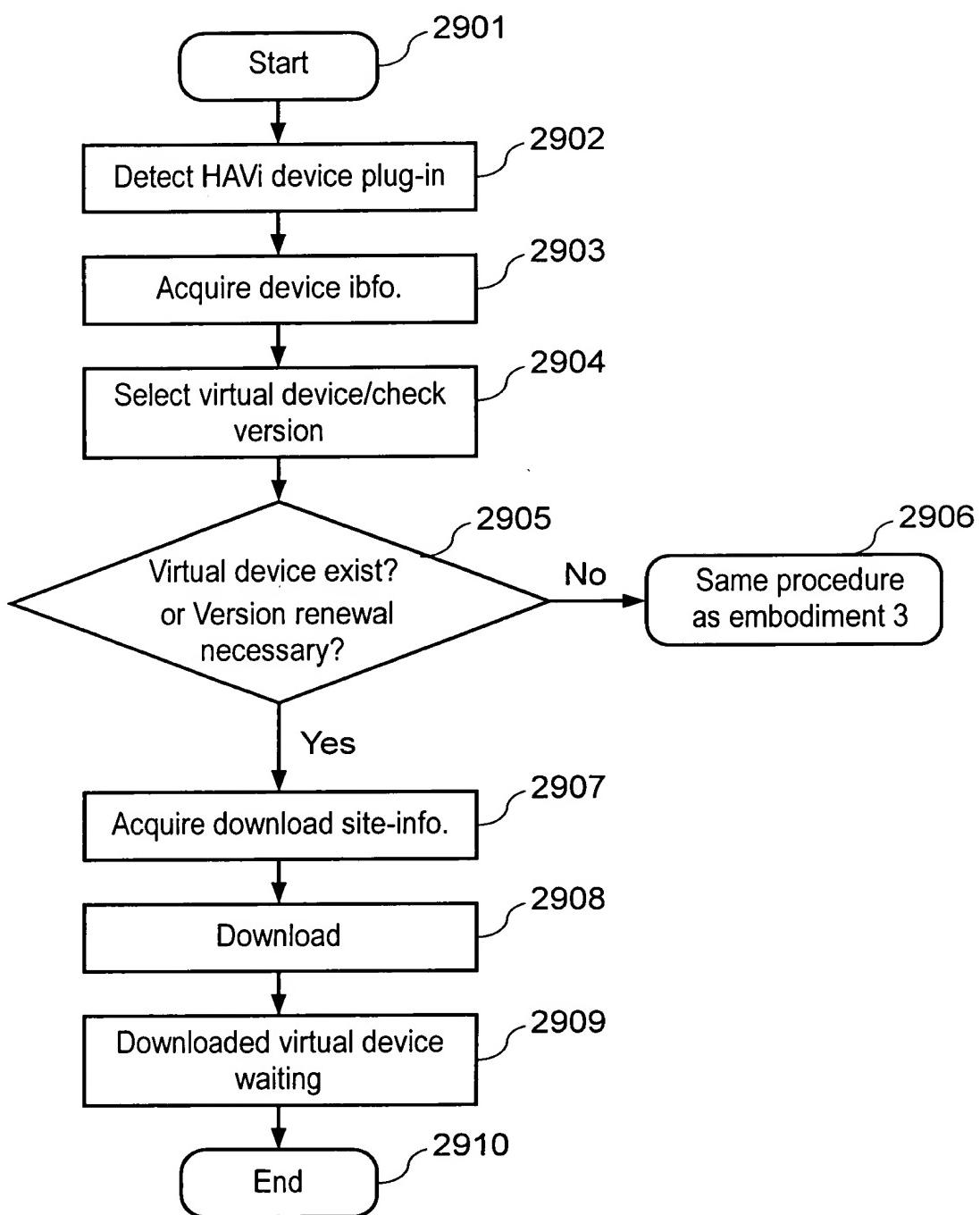
FIG. 27



## FIG. 28

Manufacturer	Device No,	URL	Current Version
XXXXXX	1234AZ1	<a href="http://www.[ ].[ ]/1234AZ1/vdevise.exe">http://www.[ ].[ ]/1234AZ1/vdevise.exe</a>	1.02

FIG. 29



00000000-0000-0000-0000-000000000000